

20011209.qrp v02_n400.qrl.20011209

Date: Sun, 9 Dec 2001 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2400

QRP-L Digest 2400

Topics covered in this issue include:

- 1) [114307] Fox: Some results
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [114308] AL7FS 0005z
by Dan Robbins <kl7y@alaska.net>
- 3) [114309] Re: Anyone Know of a K7A?
by "Bob Hightower" <nk7m@extremezone.com>
- 4) [114310] re:Isotron
by Pete Burbank <plburbank@kih.net>
- 5) [114311] Re: Fox: Some results
by Garie Halstead <k8kfj@ntelos.net>
- 6) [114312] AL7FS 0105z
by Dan Robbins <kl7y@alaska.net>
- 7) [114313] Fox: Cub Hunts are working!
by "Karl F. Larsen" <k5di@zianet.com>
- 8) [114314] AL7FS - K1 and the 9 Volt NiMH Battery
by Larry Cahoon <lejek@erols.com>
- 9) [114315] AL7FS at 14059.4 - Contest mode.
by Ken Newman <N2CQ@dandy.net>
- 10) [114316] Re: AL7FS at 14059.4 - Contest mode.
by "Michael Connor" <nq7k@mtarvin.com>
- 11) [114317] Re: AL7FS at 14.059.4 - Contest mode
by "Karl Rifenbark" <n7dma@mindspring.com>
- 12) [114318] Re: DCTL woes (now N4RT Windom)
by "Marty N5NW" <n5nw@onebox.com>
- 13) [114319] [CLUB] QRP ARCI -Board of Directors Nominations
by Jim Stafford <w4qo@amsat.org>
- 14) [114320] Vintage QRP
by "Richard H. Arland" <rarland@earthlink.net>
- 15) [114321] Re: AL7FS at 14059.4 - Contest mode.
by "N8IE" <n8ie@woh.rr.com>
- 16) [114322] Re: [fpqrp] Telescopic masts
by "N8IE" <n8ie@woh.rr.com>
- 17) [114323] Re: GB> Vintage QRP
by Jim Glover <psykey@okcforum.org>
- 18) [114324] RE: Vintage QRP
by "Ed Tanton" <n4xy@att.net>
- 19) [114325] Re: Fox: Cub Hunts are working!

by "George, W5YR" <w5yr@att.net>
20) [114326] AL7FS
by "Jim Stamper" <jstamper@shentel.net>
21) [114327] Just a test post delete
by IamSF5@aol.com
22) [114328] RE: Vintage QRP P.S.
by "Ed Tanton" <n4xy@att.net>
23) [114329] AL7FS 0410z
by Dan Robbins <kl7y@alaska.net>
24) [114330] RE: Wanted, transformer for TT 255 PS
by "AI2Q Alex" <ai2q@adelphia.net>
25) [114331] Re: Vintage QRP
by Steve Smith <sigcom@juno.com>
26) [114332] Re: Vintage QRP
by Dave Fouchey <dafouchey@home.com>
27) [114333] Re: Vintage QRP (more)
by Steve Smith <sigcom@juno.com>
28) [114334] "QHB Extra!" updated & improved
by "George Heron N2APB" <n2apb@erols.com>
29) [114335] AL7FS 0450z
by Dan Robbins <kl7y@alaska.net>
30) [114336] RE: Vintage QRP
by "Ed Tanton" <n4xy@att.net>
31) [114337] Re: AL7FS 0450z
by "George, W5YR" <w5yr@att.net>
32) [114338] Fw: Re: GB> Vintage QRP
by Steve Smith <sigcom@juno.com>
33) [114339] Re: AL7FS 0450z
by "Rod N0RC" <rod@n0rc.com>
34) [114340] Re: AL7FS 0450z
by Bob Nielsen <nielsen@oz.net>
35) [114341] Re: GB> Vintage QRP
by Steve Smith <sigcom@juno.com>
36) [114342] AL7FS with Milliwatts!
by "David Bixler" <qrp@netins.net>
37) [114343] AL7FS 0605z
by Dan Robbins <kl7y@alaska.net>
38) [114344] Re: AL7FS 0640z
by Dan Robbins <kl7y@alaska.net>
39) [114345] RE: Vintage QRP
by "Roger A. McCarty" <rmccarty@earthlink.net>
40) [114346] 20 Meter Crystals Are Here!!
by "Doug Hendricks" <ki6ds@dospalos.org>
41) [114347] AL7FS @ 0850z
by Dan Robbins <kl7y@alaska.net>
42) [114348] AL7FS 0910z
by Dan Robbins <kl7y@alaska.net>
43) [114349] Create virus alert system

by John R Kirby <n3aaz-qrp@juno.com>
44) [114350] Re: Create virus alert system
by "Rob Matherly" <kc0bom@arrl.net>
45) [114351] FS: MXM Transceiver
by "N3BJ" <alanfryer@email.msn.com>
46) [114352] NE602s in VK3AWC RX
by Bill Meara <n2cqr@clix.pt>
47) [114353] AL7FS @1155z
by Dan Robbins <kl7y@alaska.net>
48) [114354] AL7FS 700 mw !!!!!
by "George Osier" <gosier@twcny.rr.com>
49) [114355] Re: GB> Vintage QRP
by "Harry Hurst" <wa3ptg@home.com>
50) [114356] Re: SWR Question
by "Karl Rifenbark" <n7dma@mindspring.com>
51) [114357] Museum Update
by "Brice D. Hornback" <bdh@cyberbound.net>
52) [114358] Re: AL7FS 700 mw !!!!!
by "Tom" <n1tp@worldnet.att.net>
53) [114359] DX - QRP - eHam.net DX Spots
by "Tom" <n1tp@worldnet.att.net>
54) [114360] Re: Vintage QRP
by "Howard Kraus" <K2UD@adelphia.net>
55) [114361] Re: "QHB Extra!" updated
by "George Heron N2APB" <n2apb@erols.com>
56) [114362] AL7FS 1500z
by Dan Robbins <kl7y@alaska.net>
57) [114363] Solar Power
by "Brice D. Hornback" <bdh@cyberbound.net>
58) [114364] AL7FS Top Notch Op....Three Cheers
by Fred Lesnick <flesnick@tbaytel.net>
59) [114365] RE: Vintage QRP
by "AI2Q Alex" <ai2q@adelphia.net>
60) [114366] Re: DX - QRP - eHam.net DX Spots
by "Mike Lyness, AF4LQ" <olyellr@iglou.com>
61) [114367] Re: Solar Power
by "Brice D. Hornback" <bdh@cyberbound.net>
62) [114368] Re: Vintage QRP
by mike <mike@kd0ar.homeip.net>
63) [114369] RE: Vintage QRP
by Nick Kennedy <nkennedy@tcainternet.com>
64) [114370] Re: Vintage QRP
by Mike <mmorrow@companet.net>
65) [114371] Re: GB> Vintage QRP
by Bruce Rattray <rattray@gpfn.sk.ca>
66) [114372] Re: NE602s in VK3AWC RX
by "Leon Heller" <leon_heller@hotmail.com>
67) [114373] Power Management Contest

- by Larry Cahoon <lejek@erols.com>
- 68) [114374] Re: GB> Vintage QRP
by "Karl F. Larsen" <k5di@zianet.com>
- 69) [114375] AL7FS 1710z
by Dan Robbins <kl7y@alaska.net>
- 70) [114376] AL7FS 1730z
by Dan Robbins <kl7y@alaska.net>
- 71) [114377] Re: GB> Vintage QRP
by "George, W5YR" <w5yr@att.net>
- 72) [114378] Anttron Ant
by "Francis Callahan" <colcal@srv.net>
- 73) [114379] 100 watt 6L6's and shunt loaded Pine
by K5BDZ@aol.com
- 74) [114380] AL7FS 18:15z
by Dan Robbins <kl7y@alaska.net>
- 75) [114381] AL7FS 1838z
by Dan Robbins <kl7y@alaska.net>
- 76) [114382] AL7FS
by Bruce Rattray <rattray@gpfn.sk.ca>
- 77) [114383] TEN METERS
by DENNIS SMITH <ne4o@swbell.net>
- 78) [114384] AL7FS still going
by Tim Pettibone <k5oi@cowboy.net>
- 79) [114385] AL7FS-Anchorage, AK GOT 'IM!!
by "TC Dufresne" <tdufresne@neb.rr.com>
- 80) [114386] Tube QRP
by Steven Weber <kd1jv@moose.ncia.net>
- 81) [114387] Optimized vertical....
by G Brandon Hoyt <preacher102677@juno.com>
- 82) [114388] Re: GB> Vintage QRP
by Pete Burbank <plburbank@kih.net>
- 83) [114389] FS: Kwd TS-570D
by "Scott Holisky" <sholisky@tpt.org>
- 84) [114390] Fox: N6WG Final Log
by "Bob Tellefsen" <n6wg@earthlink.net>
- 85) [114391] Oh, well....
by G Brandon Hoyt <preacher102677@juno.com>
- 86) [114392] Estate Sale Items
by "Paul Gerhardt" <pgerhardt@hotmail.com>
- 87) [114393] Re: Tube QRP
by Mike <mmorrow@companet.net>
- 88) [114394] I need some assistance from Canadian hams.
by Dragon Singer <WM-Scace@wiu.edu>
- 89) [114395] Re: GB> Vintage QRP
by Mike <mmorrow@companet.net>
- 90) [114396] Crystal Control Night (?)
by Steve Smith <sigcom@juno.com>
- 91) [114397] Re: TEN METERS

by "Jim FitzSimons" <cherry@getnet.net>

Date: Sat, 8 Dec 2001 17:07:03 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [114307] Fox: Some results
Message-ID: <Pine.LNX.4.33.0112081659540.2381-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I keep the Cub Fox Web page up and had the pleasure of putting up Rick W0IS's results from a Cub Hunt. In 2 hours this A1 Fox sending 12 wpm gave away 52 pelts! They were stations all over the USA and Canada. He kept the pack off his frequency and near 1 hour and 30 minutes into the period he was slowing down. At 2 hours he was done and had worked all the Hounds he could hear.

It was a Fun Fox Hunt for everyone.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 09 Dec 2001 00:01:32 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114308] AL7FS 0005z
Message-ID: <3C12A9DC.895AF874@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

10 meters was ok the last hour. I managed to get the totals up to 79 Qs. Also a Japan and a Brazil contact in the last bunch.

Dan tells me 20 will be better starting 0100z so I will try 15 meters until then. If 15 is too slow I will slip on down early.

73, Jim

Date: Sat, 8 Dec 2001 17:07:00 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <jim-c@nc.rr.com>
Cc: "qrp list" <qrp-l@lehigh.edu>
Subject: [114309] Re: Anyone Know of a K7A?
Message-ID: <00c901c18045\$8435c660\$0f127d3f@nk7m>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Jim Campbell" <jim-c@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 08, 2001 2:16 PM
Subject: Anyone Know of a K7A?

> I just signed with K7A in AZ. Yet the ARRL database doesn't know
> anything about him. Is he some kind of special event station? He was
> coming in 599 in NC on 28.0499. I got a 529 with 5 watts.
>

This is a special event station commemorating Dec 7, 1941. This group does this every year, although usually with different calls.

Bob NK7M

Date: Sat, 08 Dec 2001 19:18:08 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [114310] re:Isotron
Message-ID: <5.0.2.1.0.20011208190944.00af1810@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks for the replies both on the list and direct. No covenants here so guess I'll stay with the normal antennas.
It's still interesting however since no room here for 160 antennas HI!
73 Pete BV4V

Date: Sun, 09 Dec 2001 00:46:37 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Karl Larsen <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114311] Re: Fox: Some results
Message-ID: <3C126E1D.90183970@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Saturday, 08 December 2001, Karl Larsen wrote:

> I keep the Cub Fox Web page up and had the pleasure of putting up
> Rick W0IS's results from a Cub Hunt. In 2 hours this A1 Fox sending 12 wpm
> gave away 52 pelts!

Rick did do a very nice job. I emailed him an audio file (MP3) to show that he had a FB signal from his MFJ-9040 here in WV. Got his card today and mine went out to him this evening. --Well Done--

72 //Gary *K8KFJ*

Date: Sun, 09 Dec 2001 01:03:23 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-1 messages <qrp-1@lehigh.edu>
Subject: [114312] AL7FS 0105z
Message-ID: <3C12B85B.E23A5B9A@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

15 was producing a few contacts but maybe only 1/2 as many as before. Still running about 15-16 per hour average on Qs.

Check out:
http://137.229.36.30/cgi-bin/riometer/riom_sel.cgi

We have increased absorption that hit this afternoon and this can cause some signals to be way down.

I am heading for 20 meters for a while now. I will try to find a hole at .062 or .059 but if they are all full, I will drop below .055 a bit

and look.

Up to about 89 Qs with Brazil, Argentina, and Japan worked.

73, Jim

Date: Sat, 8 Dec 2001 18:18:06 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [114313] Fox: Cub Hunts are working!
Message-ID: <Pine.LNX.4.33.0112081809410.2729-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I put up 2 Foxes results today because I got 2 final logs. You can look at the Cub Fox results at www.zianet.com/k5di/fox and look at the Hounds results.

There are a LOT of new calls never heard on the regular hunt. That is because in the main they can't copy the 20+ wpm of the regular hunt. The Hounds results show a large number of long callsigns that make just a few hunts. It shows me with a perfect score too...:-)

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 09 Dec 2001 01:48:03 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu, elecrafft@qth.net
Subject: [114314] AL7FS - K1 and the 9 Volt NiMH Battery
Message-ID: <5.1.0.14.0.20011209014530.00b65750@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Great day - I just picked up Jim, AL7KS on 20 meters with the K1 and my 9 Volt NiMH Battery. That makes state number 43 with that setup.

Tnx Jim

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

Date: Sat, 08 Dec 2001 21:13:21 -0500
From: Ken Newman <N2CQ@dandy.net>
To: qrp-1@Lehigh.EDU
Subject: [114315] AL7FS at 14059.4 - Contest mode.
Message-ID: <3.0.6.32.20011208211321.009589d0@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim is on running as contest style. 599 in NJ. I believe he is running
KL7Y with big beams. Need AK, GO GET'IM!

72 de
Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
FM29jt
N2CQ@ARRL.NET

Date: Sat, 8 Dec 2001 19:28:43 -0700
From: "Michael Connor" <nq7k@mtarvin.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114316] Re: AL7FS at 14059.4 - Contest mode.
Message-ID: <000601c18059\$395cc3f0\$420c3e40@mtarvin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, I got him!

Mike
NQ7K

----- Original Message -----
From: "Ken Newman" <N2CQ@dandy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, December 08, 2001 7:13 PM
Subject: AL7FS at 14059.4 - Contest mode.

> Jim is on running as contest style. 599 in NJ. I believe he is running
> KL7Y with big beams. Need AK, GO GET'IM!
>
>
> 72 de
> Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
> Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
> FM29jt
> N2CQ@ARRL.NET
>
>
>

Date: Sat, 8 Dec 2001 19:57:33 -0700
From: "Karl Rifenbark" <n7dma@mindspring.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [114317] Re: AL7FS at 14.059.4 - Contest mode
Message-ID: <HFEHJIPLCMLIEGPKDPOGIECOCBAA.n7dma@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, I got him, too!

And, thank you, Jim!

72,
Karl
N7DMA

Date: Sat, 8 Dec 2001 21:56:17 -0500
From: "Marty N5NW" <n5nw@onebox.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [114318] Re: DCTL woes (now N4RT Windom)
Message-ID: <LNBBKNIEENMHNOLILCLGMECDDCAA.n5nw@onebox.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Forgot to mention ...

Bruce is correct. Bogus is rarely a concept in antenna design! But I will say the dimensions for the tuning stub on the web page put the antenna in the lower part of the band (longer still equals lower in this case). In fact, it might be **too** low, depending on one's installation. Recall the bandwidth is 1/100th of the design frequency (I think this is mentioned on the web page, somewhere). At 7 MHz, this produces a design bandwidth of 70 kHz or something like that. If resonance is at 6.9 MHz rather than 7.0 MHz, you won't see ANY resonance inside the ham bands. In fact, to cover the entire design bandwidth, you'd have to lovingly craft your DCTL to resonate at 7.035 Mhz (not a bad plan, all in all)!

If you can't trim the tuning stub to resonance at the frequency of choice, then perhaps some formula alteration is in order. Remember too that the antenna is resonant at 300 ohm impedance! If you use anything other than a 6:1 balun to step the impedance down to 50 ohms, you'll see off-resonance characteristics. Shouldn't kill the project, but there will be a difference.

I'd be interested to see the results of the 300 ohm feed directly to a tuner -- never tried that one. Should out-perform the non-resonant antenna fed directly, but then again, the tuner might prove more lossy than a straight balun.

In any event, I'm anxious to hear the results!

73 de N5NW/8
Marty
Dayton, Ohio

Date: Sat, 08 Dec 2001 21:52:53 -0500
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>, fpqrp <fpqrp-l@mpna.com>,
GQRP@yahooogroups.com, nogaqrp@qth.net, atrail-l@lehigh.edu
Cc: QRP Action Team <qrp@topica.com>,
QRP ARCI Operations Team <qrp@topica.com>
Subject: [114319] [CLUB] QRP ARCI -Board of Directors Nominations
Message-ID: <3C12D205.FBD23A11@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks - Please forward to any club lists you are on, not listed in the To: section above - thanks.

Due to the lateness of the October issue of QRP Quarterly, I want to take this opportunity to invite you to serve (or nominate someone - with their permission - to serve) on the QRP ARCI Board of Directors. The directors to go off on March 31, 2002 are: Bill Harding, K4AHK, Joe Spencer, KK5NA, and Hank Kohl, K8DD. The term is 4 years beginning April 1, 2002 and going through March 31, 2006.

If you would like to serve as a Director of the club, please send a short bio/commentary (less than 250 words) to Mark Milburn, mark.milburn@juno.com, or

Mark Milburn, KQ0I
QRP ARCI
117 E Philip St.
Des Moines, IA 50315-4114

This is an opportunity to "give back" to the QRP community as the club continues to grow and enhance this great hobby. There are many things happening with the club which will be even more exciting for the next 4 years. Come join us.

NOTE: The deadline (originally December 1) for submittal is extended to December 28, 2001.

--

Jim Stafford, W4Q0 Outgoing President
Joe Spencer, KK5NA Incoming President

Date: Sat, 08 Dec 2001 21:56:54 -0500
From: "Richard H. Arland" <rarland@earthlink.net>
To: "glowbugs@piobaire.mines.uidaho.edu"
<glowbugs@piobaire.mines.uidaho.edu>, QRP List <qrp-l@lehigh.edu>
Subject: [114320] Vintage QRP
Message-ID: <3C12D2F6.701B35FD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anybody out there doing any QRP work with tube type equipment?
Especially interested in one or two tube transmitters under 5 watts

output.

Please reply via private e-mail to keep the list traffic down.

73 Rich K7SZ

Date: Sat, 8 Dec 2001 21:59:27 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [114321] Re: AL7FS at 14059.4 - Contest mode.
Message-ID: <006701c1805d\$872be800\$0400a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got him here with the 830 at 5w to a vertical. Man he is loud in Kettering,
Oh solid 589.

72, oo
Dan, N8IE

----- Original Message -----
From: "Ken Newman" <N2CQ@dandy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 08, 2001 9:13 PM
Subject: AL7FS at 14059.4 - Contest mode.

> Jim is on running as contest style. 599 in NJ. I believe he is running
> KL7Y with big beams. Need AK, GO GET'IM!
>
>
> 72 de
> Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
> Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
> FM29jt
> N2CQ@ARRL.NET
>
>
>

Date: Sat, 8 Dec 2001 22:02:51 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [114322] Re: [fpqrp] Telescopic masts
Message-ID: <007a01c1805e\$004cd140\$0400a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bryn,
I got one of those. They work real nice except when you try to pull the wrinkles out of a G5RV and 100' of rope, they tend to bend without using the guys. D'ohh.

But well worth the \$\$

72, oo
Dan, N8IE

----- Original Message -----

From: "Bryn Joynes" <bryn@pcpractice.com>
To: <fpqrp-1@mpna.com>
Sent: Saturday, December 08, 2001 9:56 PM
Subject: [fpqrp] Telescopic masts

> Hi everyone,
>
> I was in Lowes, a large home improvement center here in TN this evening,
> when I came upon some 30ft three piece telescopic masts. Price was
> about \$45. They had guy support rings, and looked like they would do
> the full 30ft.
>
> After the thread about 50ft masts from Florida, I thought this might be
> of interest to someone.
>
> Best Regards
>
> Bryn
> N4VM FP#200 "oo"
>
>
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -
>

Date: Sat, 8 Dec 2001 21:18:36 -0600 (CST)
From: Jim Glover <psykey@okcforum.org>
To: rarland@earthlink.net (Richard H. Arland)
Cc: glowbugs@piobaire.mines.uidaho.edu (glowbugs@piobaire.mines.uidaho.edu),
qrp-1@lehigh.edu (QRP List)
Subject: [114323] Re: GB> Vintage QRP
Message-ID: <200112090318.fB93IbK12915@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Anybody out there doing any QRP work with tube type equipment?
> Especially interested in one or two tube transmitters under 5 watts
> output.
>
> Please reply via private e-mail to keep the list traffic down.

Please make replies to the group. I think quite a few of us would
be very interested in hearing how QRP'ers are making use of tubes.

73,
Jim WB5UDE

Date: Sat, 8 Dec 2001 22:24:08 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [114324] RE: Vintage QRP
Message-ID: <003701c18060\$f6d981f0\$52ed5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Rich, et al... do people who PLAN to do it count? Or people who USED
to do it? Right after the 1st of the year, I will be building a 6AG7 >
6V6 (or something similar.) I already have the plans (from old mags and
Handbooks) and the parts. I've GOT to get my antennas back up, and etc.
but I definitely will be doing this then. I even have (on the way from
ebay) a Geloso tx bandswitching foundation (coilset mainly)...and I
already have one from National-I think-I can use if the Geloso doesn't
work out. I HAVE done a bunch of 2W to 3W work using a Hallicrafters
HT-17. This was a year or so ago.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 08 Dec 2001 21:33:21 -0600
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114325] Re: Fox: Cub Hunts are working!
Message-ID: <3C12DB81.20868C43@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Karl . . .

That makes four of us, by the way! <:}

And glad to see that I am no longer at the end of the list . . .

Good luck next week.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Karl F. Larsen" wrote:

>

> I put up 2 Foxes results today because I got 2 final logs. You can
> look at the Cub Fox results at www.zianet.com/k5di/fox and look at the
> Hounds results.

>
> There are a LOT of new calls never heard on the regular hunt. That
> is because in the main they can't copy the 20+ wpm of the regular hunt.
> The Hounds results show a large number of long callsigns that make just a
> few hunts. It shows me with a perfect score too...:-)

Date: Sat, 8 Dec 2001 22:49:54 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114326] AL7FS
Message-ID: <001d01c18064\$90b069d0\$99606fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to several of you (Dan, Ken, Michael and Karl) for the heads up on
AL7FS. Got him immediately and he had a nice signal into VA. In the
immortal words of the Beatles, "I get by with a little help . . ."

OTOH my 5w through a transmatch (which got the SWR to a mere 3.7) into an
Alpha-Delta DXCC hung as a vee 30' up at the feedpoint seems inaudible on
160. Cruised around answering very strong signal CQ's in a nicely crowded
band but got no replies. Was very tempted to QRO, but I resisted because of
the high VSWR. Maybe I'd better get one of those kites.

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Sat, 8 Dec 2001 22:51:05 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [114327] Just a test post delete
Message-ID: <d6.ff898e6.294439a9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

1234567890

Date: Sat, 8 Dec 2001 22:51:15 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [114328] RE: Vintage QRP P.S.
Message-ID: <004501c18064\$c7eede90\$52ed5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

P.S. you can see a photo of the Hallicrafters QRP station at:
<<http://www.qsl.net/n4xy/recentrigs.html>> .

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sun, 09 Dec 2001 04:07:33 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-1 messages <qrp-1@lehigh.edu>
Subject: [114329] AL7FS 0410z
Message-ID: <3C12E385.8C6ADD4A@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

20 meters is slowing down. Up now to 145 Qs.

I checked 30 meters. That was a waste.

I may go down to 40 meters JFF (Just for fun). I don't know how many of you are still awake. I still have a few hours before it is time to beam north.

73, Jim

Date: Sat, 8 Dec 2001 23:15:15 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <gbutzlaff@wi.rr.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [114330] RE: Wanted, transformer for TT 255 PS
Message-ID: <000501c18068\$1bb9cc80\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glenn:

Have you tried tightening the transformer's hardware? Especially any hardware that holds the laminations together?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Glenn Butzlaff
Sent: Saturday, December 08, 2001 6:42 PM
To: Low Power Amateur Radio Discussion
Subject: OT: Wanted, transformer for TT 255 PS

Looking for a good transformer to replace the one in my Ten Tec 255 20 amp supply. Mine has an incurable hum and am hoping to find a replacement. Thanks for reading.

Glenn, WE9K

Date: Sat, 8 Dec 2001 20:26:00 -0800

From: Steve Smith <sigcom@juno.com>
To: rarland@earthlink.net
Cc: qrp-1@Lehigh.EDU, glowbugs@piobaire.mines.uidaho.edu
Subject: [114331] Re: Vintage QRP
Message-ID: <20011208.202600.576.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Rich (and group),

In 1966 when I was a new Novice, my first Ham homebrew project was a one-tube 6L6 rig from an Electronics Illustrated article entitled "The Scrounger, A 10 Watt Transmitter You Can Build for \$5". Well, now. -That- was in my price range :-). Anyway, I built the thing and it worked right off the bat. I used it for about a year and QSO'd all over the U.S.. Man, I was in hog heaven. The plate loading was indicated by an incandescent lamp in the B+ feed. I didn't have a decent milliammeter and I was too afraid to measure the high voltage anyway so I always just put down "10 Watts" in the log, never worrying about how much power I was running. A few years ago, I dusted off the old bugger, replaced the dried-up electrolytics and fired it up. By then, I'd acquired a WM-2 Wattmeter so I lashed it up to The Scrounger. No matter how hard I tweaked or what tube I tried, I couldn't get more than 4 Watts power output. So all that time, I'd been "real" QRP and didn't even know it. Sort of like the Bumble Bee, HA!

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

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Date: Sat, 08 Dec 2001 23:33:50 -0500
From: Dave Fouchey <dafouchey@home.com>
To: sigcom@juno.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114332] Re: Vintage QRP
Message-ID: <4.1.20011208232748.00969d00@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

YOU too Steve? WN8AXG at the time and used the Scrounger as well as a

similar rig for the first two years I was a ham. (The other was a 6C4 Osc driving a 6DQ6 final, tvi special let me tell ya..used a fluorescent lamp next to the final coil tuned for maximum brilliance) Had a Hallicrafters SX25 rx.

Very first commercial transmitter rig was a Viking Valiant

Ah the warm glow of a Viking in the Basement in the middle of a Michigan Winter, kept the shack nice and toasty.

Ah those were great nights on 40 meters.

73's

Dave

WA4EMR/8

Sterling Heights, MI

At 08:26 PM 12/8/2001 -0800, Steve Smith wrote:

>Hi Rich (and group),

>

>In 1966 when I was a new Novice, my first Ham homebrew project was a
>one-tube 6L6 rig from an Electronics Illustrated article entitled "The
>Scrounger, A 10 Watt Transmitter You Can Build for \$5". Well, now.
>-That- was in my price range :-). Anyway, I built the thing and it
>worked right off the bat. I used it for about a year and QSO'd all over
>the U.S.. Man, I was in hog heaven. The plate loading was indicated by
>an incandescent lamp in the B+ feed. I didn't have a decent
>milliammeter and I was too afraid to measure the high voltage anyway so I
>always just put down "10 Watts" in the log, never worrying about how much
>power I was running. A few years ago, I dusted off the old bugger,
>replaced the dried-up electrolytics and fired it up. By then, I'd
>acquired a WM-2 Wattmeter so I lashed it up to The Scrounger. No matter
>how hard I tweaked or what tube I tried, I couldn't get more than 4 Watts
>power output. So all that time, I'd been "real" QRP and didn't even know
>it. Sort of like the Bumble Bee, HA!

>

>73.....Steve Smith, WB6TNL

>Oxnard, CA USA

>"Snort Rosin"

>

>-----
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><http://dl.www.juno.com/get/web/>.

Date: Sat, 8 Dec 2001 20:42:10 -0800
From: Steve Smith <sigcom@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [114333] Re: Vintage QRP (more)
Message-ID: <20011208.204210.576.2.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,

I forgot to mention. Tube QRP rigs are a lot of fun to build. Crystal controlled, it's easy to get 5 Watts out of 1 tube and only a handful of parts. The only drawback may be that little, wimpy crystals generally won't cut the mustard in the typical Colpitts power oscillator. Too much crystal current. Be that as it may, it only takes one active device to get a solid 5 Watts and at that power level, big, expensive high voltage transformers aren't required. You may recall that a while back, NorCal published an article in QRPp featuring a tube rig using a solid-state inverter to develop the plate supply. There are several other methods to develop the B+ like back-to-back filament transformers and voltage multipliers. Plenty of tubes are still out there that will work at QRP power levels and they are cheap, sometimes free if you know where to look and who to ask.

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

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Date: Sat, 8 Dec 2001 23:48:47 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "NJQRP" <njqrp@njqrp.org>
Subject: [114334] "QHB Extra!" updated & improved
Message-ID: <006801c1806c\$cf166820\$a7c43ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear QRP Friends,

We've had a chance to update the "QHB Extra!" website with the graphic & photo contents of QRP Homebrewer #6 ... and with all modesty aside, it really looks stellar. With every issue we're getting better with the graphics and photographs, and in this online version of the magazine one is able to see the full resolution graphics and color photos ... quite an improvement over the B&W printed pages.

Further, based on lots of good and constructive feedback when we introduced QHB Extra!, we've improved the user interface to each issue's graphics & pics. You no longer have to wait for your browser to download all articles in a given issue of QHB. There is a sub-menu for each issue that presents a link for each specific article, thus enabling you to chose which article's graphics you wish to see. We think it's a pretty good improvement and it dramatically speeds access.

QRP Extra! is located at <http://www.njqrp.org/qrpextra> ... I've added an overview of QRP Extra! in the PS notes below in this email.

We hope you like the posting for issue #6 and the spiffed-up interface.

73, George N2APB
n2apb@amsat.org
editor & publisher for QRP Homebrewer
for the NJQRP Club at <http://www.njqrp.org>

PS: In case you're wondering, we're working on the final edits to QRP Homebrewer issue #7 this week and will be getting it to the printer then. You can see details of that issue at:
http://www.njqrp.org/data/qrp_homebrewer.html

PPS: In case you're wondering about a recent kit order or subscription renewal you placed with us (the NJQRP), I've been doing some business travel this past week and haven't been able to process and acknowledge the incoming orders as quickly as normally done. We're getting to it this weekend. Thanks for your patience.

PPPS: Here is an overview of QRP Extra! ...

"QHB Extra!" -- An online edition of QRP Homebrewer magazine containing original color photos and graphics from past issues.

Here's an Extra feature for subscribers of QRP Homebrewer ... "reprints" of all graphics published in past issues of QHB, and many of these reprints are in full color! QRP Homebrewer (or "QHB" for short) is a ham radio publication dedicated to the delightful combination of QRP and homebrewing interests. The quarterly printing of QHB brings us many enjoyable articles

containing photographs, diagrams, schematics and other instructional graphics.

Each black & white issue of QHB can be brought to life in even greater detail for QHB readers at this website through the presentation of graphics in their original vivid color. To make it even better yet, we're able to present additional graphics that many times don't make it to the printed journal due to size limitations.

QHB Extra! is not an online version of each issue. QHB will remain a printed journal of QRP and Homebrewing adventures. With QHB Extra! the staff of QHB and each individual author wish to augment the overall reader's experience by providing Extra material that helps in understanding and enjoyment.

Date: Sun, 09 Dec 2001 04:44:56 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114335] AL7FS 0450z
Message-ID: <3C12EC47.EC89E227@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On 7.041. Only takers have been in CA, VA and TX.

I will keep at it for a bit more.

jim

Date: Sat, 8 Dec 2001 23:58:27 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [114336] RE: Vintage QRP
Message-ID: <005101c1806e\$2450fd90\$52ed5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Steve, et al... Hallicrafters, in their HT-18, ran an 807 final... and the 'plate meter' was the same thing: a pilot light of some sort, mounted in the right middle of the front panel, with what looks like a

1.5 inch fender washer. I have two as-yet-unrestored HT-18s, and both have meters added where the lamp 'jewel' was. One of the meters is a beautiful Hallicrafters meter stolen from somewhere with a mint-green dial. It looks so good, and appropriate, I can pretty much forgive whoever it was for violating my RULE 1 of BoatAnchors: "I don't make no new holes!"

By the way: (my) RULE 2 of BoatAnchors: "If it's ON while you're troubleshooting, one hand is in your pocket." And, (my) RULE 3 of BoatAnchors: "Never swap tube rectifiers for sillycon diodes." Changing to them drastically raises the voltages involved, thus stressing the already aged electrolytics, etc. and any so called heat-savings from no rectifier filaments is negated by the resistors required to drop the voltage back to 'normal'. Finally, (my) RULE 4 of BoatAnchors: "Never make an irreversible modification, no matter what*."

The ONE serious change I like to make is the addition of a 3-wire line cord, if possible. Since my EFJ Ranger II uses a fused-plug, I am simply VERY careful about its ground wire anytime it's plugged in. And despite some negative comments about when vacuum tube rectifiers start to conduct, I ALWAYS bring up a 'new' piece of gear with a variac, in timed steps, usually an hour or so per step of 10 VAC, starting about 30 VAC.

I guess I have to fess up that I AM going to violate (my) RULE 4 on my recently obtained production-prototype (SN: "XXX3") Drake R-7 receiver. It has a very nice built-in ANT switching capability, but uses 4 (admittedly ceramic-insulated) RCA jacks for the input connectors. They WILL be BNC connectors sometime in the near future-requiring the slight enlargement of all 4 holes. I've already made a nice RCA <> BNC adapter... but sometimes a guy's just gotta do something-and that's one I just have to do. As the witch (Carole Kane) said in a TV production of Hansel & Gretal (referring to why she ate children): "Call it a weakness!"

* EXCEPTION: Some absolutely, positively, unavailable component-after a reasonable location effort.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 08 Dec 2001 23:19:13 -0600
From: "George, W5YR" <w5yr@att.net>
To: kl7y@alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114337] Re: AL7FS 0450z
Message-ID: <3C12F451.16C869F2@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Time for the Happy Dance! First AK QRP contact!

Have tried many times to even hear Jim, much less work him, but tonight was the night. He is on 7041 and working up a bit - Fox Hunt exchange format, more or less, for brevity. Signal is weak but enough to work.

Thanks, Jim, for something new! I've worked AK many times over the years but never with 5 watts!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Dan Robbins wrote:

>
> On 7.041. Only takers have been in CA, VA and TX.
>
> I will keep at it for a bit more.
>
> jim

Date: Sat, 8 Dec 2001 21:26:49 -0800
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [114338] Fw: Re: GB> Vintage QRP

Message-ID: <20011208.212649.576.5.sigcom@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Group,

Good stuff from Prof. Arnie:

----- Forwarded message -----

From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>

To: "GLOW GLOWBUGS" <glowbugs@piobaire.mines.uidaho.edu>

Date: Sat, 8 Dec 2001 22:59:49 -0400

Subject: Re: GB> Vintage QRP

QRP vacuum tube rigs are wonderful ! They are rugged !!! You can control the power output very easily by using a screen grid tube power amplifier.... change your screen grid electrode voltage and see how power moves smoothly up and down !!! My favorite no frills QRP rig is the JONES push pull oscillator, that you use as a power crystal controlled oscillator. With an easily built power supply made by connecting back to back two 12 or 6 volts AC filament transformers, you can either run a nice +140 volts DC B+ or double it to a +250 volts DC B+ . With +140 volts DC on the plate of a 12AT7 or a bigger 12BH7 dual triode and a typical 7 MHz quartz crystal you can obtain anywhere from a little less than 1 watt to near 3 watts power output. As the grid tank circuit is actually a quartz crystal, there is only one control to tune, the plate variable capacitor. I use a link at the center of the plate coil to couple the RF to the antenna ! My other favorite QRP rig is a two tube design that uses a Pierce no tune crystal oscillator with a triode tube, feeding a pentode or tetrode tube , like the 6AG7 (nice because it is very well shielded) or the less well shielded and somewhat more difficult to tame 6V6 (metal) or 6V6-GT (glass) The use of a PI network output tank is essential to meet present day so called "non essential radiation " standards , with either the 6AG7 or the 6V6 or 6V6-GT and the +250 voltagedoubler power supply the rig will deliver more than 5 watts output anywhere from 160 to 30 meters with fundamental frequency quartz crystals. The vacuum tube QRP rigs are more rugged than the solid state equivalents, as they tolerate high VSWR , something that the transistor rigs won't be able to achieve. Breadboard construction is very easy by mounting the tube sockets above the board with spacers, or you can use an old Radio Amateurs Handbook trick of building a wooden chassis with two boards that are spaced the size of the diameter of the octal or 9 pin sockets. You can also use an aluminium cake pan turned upside down, that is easy to work with because they are made of aluminium.

(BK: Or how about using a piece of copper-clad board and the NJQRP "Islander" tool to cut pads for attaching the sockets and other parts?

WB6TNL)

I build the power supply on a separate chassis, and use a multiwire cable to connect it to the rig. One final comment, the nicest keying with the two tube rig is by using negative grid block keying on the "final" amplifier stage and leaving the crystal oscillator on all the time , but that requires adding a negative voltage power supply section to the power supply , something that is not difficult at all. The 6J5 Pierce crystal oscillator driving the 6AG7 output stage is, according to my personal experience of using this rig during many years, one of the most rugged and reliable transmitters that I have ever built and operated.

73 and DX
Arnie Coro
C02KK

P.S. You can also use an 807 tube instead of the 6AG7 as the 807's run nicely with low plate and screen voltages for QRP work and will last forever in this application

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Date: Sat, 8 Dec 2001 22:28:15 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <kl7y@alaska.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114339] Re: AL7FS 0450z
Message-ID: <003601c18072\$4debca50\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW! Jim in AK to Rod in CO [with attic antenna] 229 both ways! I'm surprised you heard me in the "pile up"

Cooler still, working Jim on 10, 15 & 20m.

Happy Holidays
73, Rod N0RC

Ft Collins, CO

----- Original Message -----

From: "Dan Robbins" <kl7y@alaska.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 08, 2001 9:44 PM
Subject: AL7FS 0450z

> On 7.041. Only takers have been in CA, VA and TX.
>
> I will keep at it for a bit more.
>
> jim
>
>

Date: Sat, 8 Dec 2001 21:34:19 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114340] Re: AL7FS 0450z
Message-ID: <20011209053419.GA9643@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Jim,

Just after I gave you a 339, your signal came up to 569 in WA. Lots of QSB prior to that. Good luck,

Bob

On Sun, Dec 09, 2001 at 04:44:56AM +0000, Dan Robbins wrote:

> On 7.041. Only takers have been in CA, VA and TX.
>
> I will keep at it for a bit more.
>
> jim

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Sat, 8 Dec 2001 21:54:42 -0800
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [114341] Re: GB> Vintage QRP
Message-ID: <20011208.215443.576.7.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,

Ha! This is cute. Check out Steve Johnston's (WD8DAS) "Two Tube Tuna Tin Transmitter": <http://www.qsl.net/wd8das/gallery.html> Third picture down the page. It uses a 6C4 oscillator driving a 5763.

Steve says "The circuit design is based on the "Novice Special" transmitter from the 1971 "Radio Amateur's Handbook", pp. 181-183."

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 9 Dec 2001 00:02:36 -0600
From: "David Bixler" <qrp@netins.net>
To: <kl7y@alaska.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [114342] AL7FS with Milliwatts!
Message-ID: <DBEPKBJH00EAHCKKIHPFOEDNCKAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good evening gang:

Jim sure has a great station up there tonight.
Just QSO'ed AL7FS with my Tuna Tin 2 with 9 volts
of battery. Power output measured at 150 MW.

He is just below 7040 with a good 559 signal here in Missouri. Here is your chance to get that AK QS0!

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 09 Dec 2001 06:02:46 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114343] AL7FS 0605z
Message-ID: <3C12FE85.126894AA@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Digital S9 signal zero beated me at 041...moved to .040. same signal zero beated me again. I am going down to 7.030

73, Jim

Up to around 180 Qs now. About 25 on 40 meters.

Date: Sun, 09 Dec 2001 06:35:18 +0000
From: Dan Robbins <k17y@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114344] Re: AL7FS 0640z
Message-ID: <3C130626.3EFC9E2B@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am taking a break before swinging all the beams North for EU. There are lots of signals from EU near 7.030 but they are obviously not QRP or perhaps they just have a lot higher noise level than I do...that's a given...The noise level here is near or equal to zero.

I am taking a one hour nap and then I hope to find some EU to work QRP.

I will be back on the US in the morning after Europe fades out again near sunrise.

Thanks everyone. It was fun. I really only have 173 QSOs today with about 28+ on 40 meters. The hourly average is still about 17 Qs per hour which is very good for me. :-)

73, Jim

Dan Robbins wrote:

> Digital S9 signal zero beated me at 041...moved to .040. same signal
> zero beated me again. I am going down to 7.030
>
> 73, Jim
>
> Up to around 180 Qs now. About 25 on 40 meters.

Date: Sat, 8 Dec 2001 22:39:32 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [114345] RE: Vintage QRP
Message-ID: <000401c1807c\$43007cd0\$cc9ccd18@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Here are 2 links for the tube type low power rigs I have built.

This is a 6T9 transmitter. The original was designed for 80 or 40 meters using plug in coils. I built this one to be band switched for 30 and 40 meters.

www.geocities.com/ramc_2002

This is a portable QRP transceiver using 3 volt filaments. There is a rechargeable battery power supply and AC mains supply for the main rig and/or recharging the battery pack.

<http://www.qsl.net/kd6cc/glowbug/>

Some of the links on the page no longer work, particularly those pointing to Accurate electronics.com, which no longer exists.

Roger KD6CC

Date: Sat, 8 Dec 2001 22:21:33 -0800
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114346] 20 Meter Crystals Are Here!!
Message-ID: <000901c18079\$c1fbfe40\$1fa3ad40@dospalos.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, the shipment of 20 Meter crystals are here. They came in the mail today. They are on 14.060 MHz. The cost is \$3 each postage paid. We also have crystals on 7.040 and 7.122 MHz for the same price. To order send \$3 per crystal to:

Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

Please make check or money order to Doug Hendricks and not to NorCal. Also, if you would mark the envelope crystals and include a self addressed mailing label it would help me a bunch.

Now, all of you guys who want to try and get WAS on the Tuna Tin 2 have a brand new weapon. 72, Doug, KI6DS

Date: Sun, 09 Dec 2001 08:45:50 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-1 messages <qrp-1@lehigh.edu>
Subject: [114347] AL7FS @ 0850z
Message-ID: <3C1324BE.91D35DD4@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now on 20 meters beaming north. Two stations worked in EU so far.

73, Jim, AL7FS

Date: Sun, 09 Dec 2001 09:01:32 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114348] AL7FS 0910z
Message-ID: <3C13286B.B36AE4D5@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not much happening on HF from Alaska over the pole. One contact on 15 and one on 20 and that is it. I will keep trying but may hop from band to band if no results. The German contact was 3 watts to a vertical so it was open for a second. :-)
The GU contact was 10 watts to a doublet.

I am trying.

I can't find the webpage for the GQRP mail reflector on Yahoo. Very frustrating not to be able to post there.

73, Jim, AL7FS

Date: Sun, 9 Dec 2001 04:31:09 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [114349] Create virus alert system
Message-ID: <20011209.043340.-231379.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

This is not an original . . .

CREDIT my ISP . . . ICNet . . . THANK YOU!

. . . Caricatured . . . by N3AAZ . . .

What follows is a trick that won't keep the virus from getting into your computer, but it should stop it from using your address book to spread further, and it will alert you to the fact that the worm has gotten into your system.

First, open your address book and click on "new contact" just as you would do if you were adding a new friend to your list of email addresses.

Second, in the window where you would type your friend's first name, type in !000 (that's an exclamation mark followed by 3 zeros).

Third, in the window below where it prompts you to enter the new email address, type in AWormAlert.

Finally, complete everything by clicking add, enter, ok, etc.

Now, here's what you've done and why it works: the "name" !000 will be placed at the top of your address book as entry #1. This will be where the worm will start in an effort to send itself to all your friends. But when it tries to send itself to !000, it will be undeliverable because of the phony email address you entered (AWormAlert). If the first attempt fails (which it will because of the phony address), the worm goes no further and your friends will not be infected. Here's the second great advantage of this method: if an email cannot be delivered, you will be notified of this in your Inbox almost immediately. Hence, if you ever get an email telling you that an email addressed to AWormAlert could not be delivered, you know right away that you have the worm virus in your system. You can then take steps to get rid of it!

. . . end . . .

I have two accounts, one took the *above* no problem, the other gave an error 'no domain . . . ' message, that problem was solved by providing additional information to the above 'trick'. I used the address . . . !000@juno.com . . . and all is well.

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 9 Dec 2001 03:40:38 -0600

From: "Rob Matherly" <kc0bom@arrl.net>

To: <n3aaz-qrp@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [114350] Re: Create virus alert system

Message-ID: <00f801c18095\$91c9f9e0\$9311a541@intern01>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

That will work with some viruses, but the new ones just pick random entries from your address book to get around it. And to get around the people that don't keep an address book for that reason, they now have ones that pick addresses out of your messages. Why can't these idiots spend their time doing something other than finding ways to make my computer sick? :^)

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: John R Kirby <n3aaz-qrp@juno.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, December 09, 2001 3:31 AM

Subject: Create virus alert system

This is not an original . . .

CREDIT my ISP . . . ICNet . . . THANK YOU!

. . . Caricatured . . . by N3AAZ . . .

What follows is a trick that won't keep the virus from getting into your computer, but it should stop it from using your address book to spread further, and it will alert you to the fact that the worm has gotten into your system.

First, open your address book and click on "new contact" just as you would do if you were adding a new friend to your list of email addresses.

Second, in the window where you would type your friend's first name, type in !000 (that's an exclamation mark followed by 3 zeros).

Third, in the window below where it prompts you to enter the new email address, type in AWormAlert.

Finally, complete everything by clicking add, enter, ok, etc.

Now, here's what you've done and why it works: the "name" !000 will be placed at the top of your address book as entry #1. This will be where the worm will start in an effort to send itself to all your friends. But when it tries to send itself to !000, it will be undeliverable because of the phony email address you entered (AWormAlert). If the first attempt fails (which it will because of the phony address), the worm goes no further and your friends will not be infected. Here's the second great advantage of this method: if an email cannot be delivered, you will be notified of this in your Inbox almost immediately. Hence, if you ever get an email telling you that an email addressed to AWormAlert could not be delivered, you know right away that you have the worm virus in your system. You can then take steps to get rid of it!

. . . end . . .

I have two accounts, one took the *above* no problem, the other gave an error 'no domain . . . ' message, that problem was solved by providing additional information to the above 'trick'. I used the address . . . !000@juno.com . . . and all is well.

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 9 Dec 2001 06:07:03 -0500

From: "N3BJ" <alanfryer@email.msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [114351] FS: MXM Transceiver

Message-ID: <007101c180a1\$a37924c0\$4b756520@hppav>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

For Sale: MXM xcvr for 40M. Kind of rare, not many produced. Features unique dual conversion RX, dual IF filtering, passband tuning. About 3W out, works fine. Complete original documentation.

\$105 shipped

Alan, N3BJ

Bent Mountain, VA

Date: Sun, 09 Dec 2001 11:11:23 -0400

From: Bill Meara <n2cqr@clix.pt>

To: GQRP@yahoogroups.com

Cc: qrp-1@lehigh.edu

Subject: [114352] NE602s in VK3AWC RX

Message-ID: <3.0.6.16.20011209111123.302fd88c@pop.clix.pt>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I've built a version of VK3AWC's Balanced DC Receiver (Sprat 93). I'm using 3 NE602s (RF amp, mixer, first AF) and an LM386 for the AF amp. The receiver works very well and the advantages of the balanced approach (no

common mode hum) are very evident.

VK3AWC has a very nice gain control/AGC arrangement in his design -- he varies the voltage on pin 6 of the RF amp and first AF amp NE612s. I had a little trouble getting this to work on my version, so I just put 6 volts DC on pin 6. This seemed to yield maximum gain in both stages.

Could someone explain what happens when you put DC on pin 6? Does this simply unbalance the balanced mixer in the chip? Is there an optimum voltage for doing this? Any comments on the use of NE602/NE612 in this way? I haven't seen many designs like this, and, like I said, it works very well.

I use this circuit in a DSB transceiver for 17 meters. The TX has about 1 watt PEP out. The entire rig is about the size of a standard hardcover book. I recently made many 1000 mile QSOs with this rig using a dipole while on vacation in New York. Lots of fun.

If anyone has VK3AWC's e-mail address, please forward this message to him.

73 de Bill CU2JL N2CQR

Date: Sun, 09 Dec 2001 11:56:54 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114353] AL7FS @1155z
Message-ID: <3C135186.64CBAA8D@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AL7FS @1155z

I am going to bed. The bands are not in good shape even though the numbers say it should be. Go figure.

I plan to sleep about 2 1/2 hours and hope to be back on the air between 1430 and 1500Z. I will be beaming North again over to EU at that time. I hope to work a few more of the EU QRP stations.

A note. Seems like I was working dipoles, verticals and doublets as much as anything tonight. I expected it to be mostly beams.

See you in the morning.

73, Jim, AL7FS

Date: Sun, 9 Dec 2001 07:35:50 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [114354] AL7FS 700 mw !!!!!
Message-ID: <00a801c180ae\$08fabf00\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Got Jim on 15 meters with 700 mw
15 is not a good QRPP band for me because of the low dipole , I do 95% of my
milliwatting on 10 meters with the vertical but we made it and many
thanks , Jim for putting up with my very weak signal !!!!!

73s

George , N2JNZ / QRPP

Date: Sun, 9 Dec 2001 07:58:21 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: <sigcom@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114355] Re: GB> Vintage QRP
Message-ID: <002e01c180b1\$2eb27aa0\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Steve Smith" <sigcom@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 09, 2001 12:54 AM
Subject: Re: GB> Vintage QRP

> Steve says "The circuit design is based on the "Novice Special"
> transmitter from the 1971 "Radio Amateur's Handbook", pp. 181-183."

Wow, I built that little rig back in 1972. I had the parts list with me on a shopping trip to Cherry Hill, NJ. Went in to the electronics store near the Cherry Hill Mall, and they actually had most of the parts needed for the rig. The power transformer, cap, tube sockets, tubes, chassis, etc... When was the last time you could go into an electronics jobber and buy a tube power transformer?

The rig ran 15 watts input and used a pilot lamp as a current indicator for tuning. It worked great on 80 & 40, later I added 160 and had a lot of fun playing with antennas. Made a lot of QSOs up there too. I sure wish I still had that rig! And all those FT-243 crystals!

Then there was the Navy surplus receiver with outboard TV power supply and audio. Had a lot of fun with radio back then, nearly as much as today!

Thanks for the memories!

Hap, WA3PTG
Wilmington DE

Date: Sun, 9 Dec 2001 06:56:48 -0700
From: "Karl Rifenbark" <n7dma@mindspring.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [114356] Re: SWR Question
Message-ID: <HFEHJIPLCMLIEGPKDPOGGEDFCBAA.n7dma@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the responses to my question about SWR differences between 2 different rigs. Seems the general consensus is that all things being equal, the differences come from variations in the spectral purity of the transmitters. No problem, just different rigs act differently, and have different components on the output signals.

Makes sense to me!

72,

Karl
N7DMA

Date: Sun, 9 Dec 2001 08:56:01 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-1@Lehigh.EDU>
Subject: [114357] Museum Update
Message-ID: <00d201c180b9\$3d19f160\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Everyone... as well as a 624 Kits "ONER", I have also recently obtained, documented, photographed, and built an older version of the Kanga Products GM30XX "ONER" and have uploaded some photographs to the online Museum. I'm sure few of you (if you don't have one) have ever seen exactly what the GM30XX "ONER" looks like. Every photograph I've seen always shows it crammed into the smallest box someone could find... and you can't see the board. Well... here it is. VERY few parts! I can't wait to hook it up and give it a try.

I also uploaded a photo of the G-QRP Club's *JBS* (Junk Box Transmitter) kit still sealed in it's packaging. The board is kind of big... but it sure looks like fun. I LOVE that heat sink!

Check it out. The link to the museum is on the left navigation bar on the QRPp-I Web site. <http://www.QRPp-I.com>

Comments and feedback are ALWAYS appreciated.

73/72/71! de Brice KA8MAV

Date: Sun, 9 Dec 2001 09:05:11 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: <gosier@twcnny.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114358] Re: AL7FS 700 mw !!!!!
Message-ID: <000601c180ba\$8502a520\$f8984d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's ALWAYS enjoyable to QSO with Alaska via 2 way QRP, but especially QRPp!

When band conditions are good it's amazing what QSOs can result with very little output power. Anyone with many QRP QSOs with DX know how often the DX station operator can't believe the U.S. operator is transmitting at QRP power until being informed of the low power output level. This is especially true on 10 meters.

Experience has convinced me that under good band conditions on 10 meters, to the ear of the DX station operator 5 watts out cannot be discerned from 100 watts out.

Tom, N1TP
Naples, Florida

----- Original Message -----

From: "George Osier"

December 09, 2001 7:35 AM

Subject: AL7FS 700 mw !!!!!

Hello All !!!! * * * Got Jim on 15 meters with 700 mw

73s

George , N2JNZ / QRPp

Date: Sun, 9 Dec 2001 09:19:46 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [114359] DX - QRP - eHam.net DX Spots
Message-ID: <000501c180bc\$8eb94cc0\$f8984d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QRP-Lers: Take a gander at the below-listed DX spotting page.

I posted AL7FS on this page last evening. Within 2 minutes Jim received a flurry of calls from QRP ops.

Whenever I hear a member of the QRP-L group on the air, I post that operator's call, name, and location on this list. Within a few minutes each posting results in a flurry of calls to the posted operator.

This page is not only excellent for collecting rare DX, It evidences in real time what parts of the world are being heard in other parts of the world.

Tom, N1TP
Naples, Florida

<http://www.eham.net/D>

Date: Sun, 9 Dec 2001 09:24:23 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <rarland@earthlink.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [114360] Re: Vintage QRP
Message-ID: <015a01c180bd\$32f86b40\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have built and run Lew McCoy's "10 Watt 1 Tube Transmitter," it uses a 6T9 (dual section) tube as a xtal controlled oscillator/amplifier at 5W output. Very nice, mine even looks like the original. It's in Mar 71 QST, "How to Become a Radio Amateur," 28th edition, and the 1973 ARRL Handbook.

Next on the bench now, is Don Mix's "Simple Transmitter for the Beginner," a 2 tube design. Uses a 6C4 oscillator and 5763 amplifier-also xtal controlled. He indicates 12W input power, I'll see what it eeks out for output power when I get it built. The basic circuit is nearly identical to the 6T9. This one shows up in Oct 68 QST, "How to Become a Radio Amateur," 27th edition, and 1971 ARRL Handbook ("The Novice Special").

These are both classic designs that truly epitomize "real amateur radio" and come from two of the hobby's legends. They really speak radio to me in their use of glass, metal, lamps, meters, ceramic, coils, xtals, switches, and power transformers. A homebuilt receiver accompanies my 6T9 xmtr, and will accompany the 6C4/5763 rig. This is real radio!

Howard Kraus, K2UD

----- Original Message -----

From: "Richard H. Arland" <rarland@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 08, 2001 9:56 PM

Subject: Vintage QRP

> Anybody out there doing any QRP work with tube type equipment?
> Especially interested in one or two tube transmitters under 5 watts
> output.
>
> Please reply via private e-mail to keep the list traffic down.
>
> 73 Rich K7SZ
>

Date: Sun, 9 Dec 2001 09:26:57 -0500

From: "George Heron N2APB" <n2apb@erols.com>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [114361] Re: "QHB Extra!" updated

Message-ID: <003501c180be\$8ed26820\$88c33ad0@GHLTP4>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

I had a typo in the QHB Extra! link from my posting last night ... should be
<http://www.njqrp.org/qhbextra>

Sorry for the error, and thanks for the very positive feedback from those
who did find the pages.

73, George N2APB

=====
Dear QRP Friends,

We've had a chance to update the "QHB Extra!" website with the graphic &
photo contents of QRP Homebrewer #6 ... and with all modesty aside, it
really looks stellar. With every issue we're getting better with the
graphics and photographs, and in this online version of the magazine one is
able to see the full resolution graphics and color photos ... quite an

improvement over the B&W printed pages.

Further, based on lots of good and constructive feedback when we introduced QHB Extra!, we've improved the user interface to each issue's graphics & pics. You no longer have to wait for your browser to download all articles in a given issue of QHB. There is a sub-menu for each issue that presents a link for each specific article, thus enabling you to chose which article's graphics you wish to see. We think it's a pretty good improvement and it dramatically speeds access.

Date: Sun, 09 Dec 2001 15:01:17 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114362] AL7FS 1500z
Message-ID: <3C137CBD.F960D76F@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

CQ 14.0613 beaming North to EU

73, Jim

Date: Sun, 9 Dec 2001 10:01:55 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-l@Lehigh.EDU>
Subject: [114363] Solar Power
Message-ID: <011801c180c2\$71db6920\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to everyone who replied regarding my questions about solar power.

NOW.... I'm excited! The sun FINALLY came out today... overcast badly last couple days here in Indianapolis. Well... my QRP rigs are OFF THE GRID! Yep! I'm sitting here watching the voltage on my battery pack going up and up! It's CHARGING! Just think... that sun has been up there every day that

I can remember and it could have been making FREE power for me all along.
WHAT was I thinking??? This is AWESOME!!!!!! Lower power bills... less
pollution in the world... This is INCREDIBLE!

I'm jumping up and down with excitement!!! It's gone up two 1/100's of a
VOLT already!

It's the little things.... hi

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
Instant Messenger ID: ka8mav

QRPP International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

Date: Sun, 09 Dec 2001 10:09:50 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114364] AL7FS Top Notch Op....Three Cheers
Message-ID: <3C137EBE.7BF47E9@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was fortunate enough to work Jim on 10, 15, 20, and 40 meters
yesterday.
Jim had a 559 signal on all bands but 40, where he was a 339.
I have worked Jim a few times now on 15, and 10, but was great to hear
and work him on 40.
Thanks for being there Jim, and Three Cheers for the great operating.

Fred
VE3FAL

P.S. I worked Jim using my FT 817 at 5 watts using only my 40 meter
dipole(all other antennas blew down in the 55 mph winds the other night)

Date: Sun, 9 Dec 2001 10:19:48 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <K2UD@adelphia.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [114365] RE: Vintage QRP
Message-ID: <000001c180c4\$f1e2c300\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Howard:

You can see my 6L6 rig and matching regenerative receiver on page 20 of the December 1997 QST "Up Front" section. I've used the 6L6 Colpitts oscillator on 80 and 40 meters for Antique Wireless Association exchanges, and have worked into the Caribbean and West Coast on 80-M with it during AWA events. When signing off I put my hand near the 6L6's glass envelope and pull the oscillator frequency---Theremin style. Lotsa fun!

The schematic for this rig (with someone placing the wrong callsign over my original OrCAD drawing) is on the Web at
http://www.qsl.net/n6ev/7awk_6l6.jpg

I have OrCAD files for the receiver, and can make a TIF or GIF scan if you need one.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Howard Kraus
Sent: Sunday, December 09, 2001 9:24 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Vintage QRP

I have built and run Lew McCoy's "10 Watt 1 Tube Transmitter," it uses a 6T9 (dual section) tube as a xtal controlled oscillator/amplifier at 5W output. Very nice, mine even looks like the original. It's in Mar 71 QST, "How to Become a Radio Amateur," 28th edition, and the 1973 ARRL Handbook.

Next on the bench now, is Don Mix's "Simple Transmitter for the Beginner," a 2 tube design. Uses a 6C4 oscillator and 5763 amplifier-also xtal controlled. He indicates 12W input power, I'll see what it eeks out for output power when I get it built. The basic circuit is nearly identical to the 6T9. This one shows up in Oct 68 QST, "How to Become a Radio Amateur," 27th edition, and 1971 ARRL Handbook ("The Novice Special").

These are both classic designs that truly epitomize "real amateur radio" and come from two of the hobby's legends. They really speak radio to me in their use of glass, metal, lamps, meters, ceramic, coils, xtals, switches, and power transformers. A homebuilt receiver accompanies my 6T9 xmtr, and will accompany the 6C4/5763 rig. This is real radio!

72

Howard Kraus, K2UD

----- Original Message -----

From: "Richard H. Arland" <rarland@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 08, 2001 9:56 PM

Subject: Vintage QRP

> Anybody out there doing any QRP work with tube type equipment?
> Especially interested in one or two tube transmitters under 5 watts
> output.
>
> Please reply via private e-mail to keep the list traffic down.
>
> 73 Rich K7SZ
>

Date: Sun, 9 Dec 2001 10:25:33 -0500

From: "Mike Lyness, AF4LQ" <olyellr@iglou.com>

To: <n1tp@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [114366] Re: DX - QRP - eHam.net DX Spots

Message-ID: <007801c180c5\$c1049460\$b1eeffcc@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom and others, you might be interested in a program I use, DX Monitor:
<http://www.benlo.com/dxmon.html>

It's a free program and imports and displays the DX spots from the DX Summit page at:
<http://oh2aq.kolumbus.com/dxs/>

One nice feature among others of the program is that it will let you filter band segments to your liking. For example, I operate CW only and so I configure mine to display spots from the CW segments of the bands only. You can also filter out whole bands, etc.

The DX Summit site is nice too, even if you prefer not using DX Monitor. Even has a QRP DX spot page (under "Custom spots" on the left hand side of page).

Take care es Happy Holidays!

73, Mike
AF4LQ
<http://members.iglou.com/olyellr/>

----- Original Message -----

From: "Tom" <n1tp@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> QRP-Lers: Take a gander at the below-listed DX spotting page.
>

Date: Sun, 9 Dec 2001 10:30:55 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114367] Re: Solar Power
Message-ID: <014001c180c6\$7ece1700\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

1/10 of a volt higher than I started this morning and still climbing! This is ADDICTIVE!!!

- Brice KA8MAV

----- Original Message -----

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, December 09, 2001 10:01 AM

Subject: Solar Power

> Thanks to everyone who replied regarding my questions about solar power.
>
> NOW.... I'm excited! The sun FINALLY came out today... overcast badly last
> couple days here in Indianapolis. Well... my QRP rigs are OFF THE GRID!
> Yep! I'm sitting here watching the voltage on my battery pack going up
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> up! It's CHARGING! Just think... that sun has been up there every day that
> I can remember and it could have been making FREE power for me all along.
> WHAT was I thinking??? This is AWESOME!!!!!! Lower power bills... less
> pollution in the world... This is INCREDIBLE!
>
> I'm jumping up and down with excitement!!! It's gone up two 1/100's of a
> VOLT already!
>
> It's the little things.... hi
>
> 72/73 DE KA8MAV (Brice)
> Indianapolis, IN EM79au
> QRPp-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
> KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
> Instant Messenger ID: ka8mav
>
> QRPp International Radio Club
> Tiny-Tornado Transceiver Kits
> <http://www.QRPp-I.com>
>
>

Date: Sun, 09 Dec 2001 10:44:24 -0500

From: mike <mike@kd0ar.homeip.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114368] Re: Vintage QRP
Message-ID: <3C1386D8.61024200@kd0ar.homeip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This tube QRP thread brings back some memories for me. The entire time I was a ham, I've always built rigs of various shapes and sizes. My first homebrew project that really worked well was a 1/2 12AX7 triode crystal oscillator driving a 6AQ5 for about 5W input. Got 3-4 watts out if I recall. Never really thought about it being QRP at the time, just as a homebrew rig that was a blast to operate.

I ran it on 80 and 40 meters and worked pretty much the entire eastern half of the US on that radio. I was a very inexperienced novice in those days and never really tried much in the way of DX, if the signal wasn't about 5/7 my copy wasn't too good, so that's not too bad considering my abilities at the time.

Presently I'm having fun with some old rigs that I've recently built for the AWA contest, but they're also QRP. The MOPA rig I have been running puts out about 4 watts to the antenna on 80, and yes it chirps a little, but it's not too bad. It has a #45 triode in a Colpitts VFO circuit and that drives a #47 pentode. It drifts very little, but it has a slight distinctive chirp to it. I finished this rig last week and posted it on the Glowbugs list as well as here. Tubes make great QRP rigs, but they're not really very portable and a lot more finicky to make work than the rigs of today.

I was awestruck when I built my SW-30 this past spring, I used to be a QRP operator somewhat during several points in my ham career, but the new radios and kits that are out today run rings around the old circuits. Everything is so plug and play now, but that doesn't make them any less fun. When I want a casual QSO, that's what I run. I think a big thank you is in order to people like Dave Benson and the folks at Elecraft who also build fine gear. There are others too, like the little Ten-Tec rigs and such, but I think it's because of these guys who build such fine kits that that QRP has exploded into what it is today. These rigs WORK and work well.

When I want to play around a little and have to work a little harder, I'll fire up the MOPA or Hartley for some fine 80 meter fun. QRP is good stuff no matter how you produce the RF.

Howard Kraus wrote:

> I have built and run Lew McCoy's "10 Watt 1 Tube Transmitter," it uses a 6T9
> (dual section) tube as a xtal controlled oscillator/amplifier at 5W output.
> Very nice, mine even looks like the original. It's in Mar 71 QST, "How to
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>

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>

> These are both classic designs that truly epitomize "real amateur radio" and
> come from two of the hobby's legends. They really speak radio to me in
> their use of glass, metal, lamps, meters, ceramic, coils, xtals, switches,
> and power transformers. A homebuilt receiver accompanies my 6T9 xmtr, and
> will accompany the 6C4/5763 rig. This is real radio!

>

> 72

>

> Howard Kraus, K2UD

> ----- Original Message -----

> From: "Richard H. Arland" <rarland@earthlink.net>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Saturday, December 08, 2001 9:56 PM

> Subject: Vintage QRP

>

> > Anybody out there doing any QRP work with tube type equipment?

> > Especially interested in one or two tube transmitters under 5 watts

> > output.

> >

> > Please reply via private e-mail to keep the list traffic down.

> >

> > 73 Rich K7SZ

> >

Date: Sun, 9 Dec 2001 09:51:37 -0600

From: Nick Kennedy <nkennedy@tcainternet.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [114369] RE: Vintage QRP

Message-ID: <01C18097.18857120.nkennedy@tcainternet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

I've been known to use my Sonar CFC VFO/transmitter/exciter as a QRP TX.

It puts out around 3 or 4 watts. There's an ad for it in the '48 Handbook.

The 'CFC' stood for 'Calibrated Frequency Control', which was its claim to fame. It even had a built in crystal calibrator. The manual says the dial is also calibrated for the "soon to be available" 11 meter band. I think the amplifier is a 6V6. It used separate RCA jacks for output--one for 80 and one for 40 and up. Its tall and skinny styling reminds me of the Knight Kit VFO I had 35 years ago.

As we were preparing for the 160 meter QRP test the other day, I was thinking of pressing my VF-1 into service as a transmitter. On 80 meters, its output is actually doubled up from 160. I thought with a little output filtering it could be a QRP transmitter. But I looked at the manual and saw it's just a single stage, single tube oscillator. Probably would be pretty chirpy as a TX. And it's said to put out 10 volts. Assuming that's RMS, it would be 2 watts at 50 ohms. But it's probably specified at a much higher impedance and would be a lot lower at 50 ohms. Probably would need to follow it with an amplifier.

When we were kids, me & some of my high school buddies used to jumper out antenna leads to the outputs of our VFOs and transmit that way for a few minutes--just as a lark. Prehistoric QRP.

72--Nick

Tubes in December ... that Christmas-y glow.

Date: Sun, 09 Dec 2001 10:17:46 -0600

From: Mike <mmorrow@companet.net>

To: rarland@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [114370] Re: Vintage QRP

Message-ID: <3C138EAA.1DFF@companet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Richard H. Arland wrote:

> Anybody out there doing any QRP work with tube type equipment?
> Especially interested in one or two tube transmitters under 5 watts
> output.

In the late 1960's I used a one-tube electron-coupled crystal-controlled CW transmitter on 40m that I built using my favorite homebrew low power transmitting tube, the 9-pin 5763. This is a great low power tube (about 12 watt plate dissipation, IIRC). It is well suited to the one-tube transmitter electron-coupled application (a type of oscillator and power amplifier in one tube) since it is a pentode with a separate connection to the suppressor grid, i.e. one that is not internally connected to the cathode as is often the case with pentodes. The 5763 is readily available, mostly as military surplus and is thus a very inexpensive high-quality tube.

I used a mini-box about 3x3x4 inches for the chassis, attached to an aluminum panel about 6x5 inches upon which a miniature plate current meter and the pi-network output components were mounted. I'll have to search for it in the attic at my parents house, where it's been (it is hoped) for the last 30 years.

There's something satisfying about vacuum tube radios. I think it's got something to do with the glow from the filaments and the heat. I don't find 1.5v direct-heated cathode tubes to be nearly as interesting, even though these are classic low-power tubes that were used in many WWII portable radio sets. They don't heat much, and one usually can't see their filaments glow.

> Please reply via private e-mail to keep the list traffic down.

I think the list can bear some traffic on this. At least the subject doesn't pertain to body functions.

73,
Mike / KK5F

Date: Sun, 9 Dec 2001 10:33:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Jim Glover <psykey@okcforum.org>
Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114371] Re: GB> Vintage QRP
Message-ID: <Pine.LNX.4.33.0112091031120.18911-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm also interested in this topic...my first ever transmitter was a 6L6 with a tapped coil on a steel chassis....in fact I have a number of the parts to build this transmitter again one day so I would like to join a group interested in Vintage QRP.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 09 Dec 2001 16:48:47 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n2cqr@clix.pt, qrp-l@Lehigh.EDU
Subject: [114372] Re: NE602s in VK3AWC RX
Message-ID: <F37vQiEt1Ya0If91Wwv0000ee0d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Could someone explain what happens when you put DC on pin 6? Does this
>simply unbalance the balanced mixer in the chip? Is there an optimum
>voltage for doing this? Any comments on the use of NE602/NE612 in this
>way? I haven't seen many designs like this, and, like I said, it works
>very well.

This is my guess as to how it works. Looking at the '602 circuit, you basically have a pair of differential amplifiers, forgetting about the mixer aspect of the chip.

Varying the voltage on pin 6 appears to put more or less current into the bases of the left hand transistors in the differential pairs, via the oscillator buffer, which presumably has an inverting function. Increasing the current (by reducing the voltage on pin 6?) will result in the left hand transistor shunting the right hand one by a increased amount, and reducing the gain in both differential amplifiers. Rather crude, but it presumably has some effect.

I remember seeing something somewhere on the use of the '602 in this mode, but I don't recall seeing anything on how it actually worked.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 09 Dec 2001 16:59:21 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [114373] Power Management Contest
Message-ID: <5.1.0.14.0.20011209164937.00bb07c8@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

It is time to think about the Power Management Contest. I tried it last August as part of the NA QSO party. I'm thinking about doing it again for the January edition of the contest. Since I was the organizer last summer and the only one who sent in a log before I try it again I would like to get some votes that it is worth continuing. Comments on the rules are also welcome.

The NA QSO party is a 12 hour contest starting on a Saturday afternoon. You can only work 10 hours of the contest and the power limit for the contest is 100 watts. So it is one of the more QRP friendly contests. I've had comments in the past that I should do it as a strictly QRP event, but I have doubts that many would run their batteries dry in a new contest. So I've stuck with a piggyback on one of the established contests.

The rules for contest as they were set up last summer are posted at:

<http://www.qsl.net/wd3p/qrp/pwrcontest/pwrcontest.htm>

I'll take comments on the rules as well as any thought if I should even run the contest.

73 de Larry.....WD3P in MD

<http://www.qsl.net/wd3p/>

Date: Sun, 9 Dec 2001 10:06:57 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114374] Re: GB> Vintage QRP
Message-ID: <Pine.LNX.4.33.0112091002390.1924-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well you guys have me thinking. I ran 100 watts to a pair of 6L6 tubes that were mounted upside-down in a pan of water. They were driven by a right side up 6L6 that was an oscillator-driver with a crystal.

The 6L6's lasted about 3 months and then the power started to drop. But not a problem because I bought a case of 48 tubes from a surplus store for \$3.00.

On Sun, 9 Dec 2001, Bruce Rattray wrote:

> I'm also interested in this topic...my first ever transmitter was a 6L6
> with a tapped coil on a steel chassis....in fact I have a number of the
> parts to build this transmitter again one day so I would like to join a
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> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 09 Dec 2001 17:11:21 +0000

From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114375] AL7FS 1710z
Message-ID: <3C139B38.A24DC89F@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just coming up for air. About 35 EU contacts in the log. Not all are QRP but quite a number are. This is good.

I will be back on in a few minutes. Some QRPer were calling but gave up too quickly. I have zero noise level but it sometimes takes me a second or two to find the right place to copy through the arctic flutter. I lost one or two that left before I could get to them. :-(

Ok, enough for now. I will keep on EU until it dies out in a little bit with sunrise here.

73, Jim, AL7FS

Date: Sun, 09 Dec 2001 17:28:03 +0000
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114376] AL7FS 1730z
Message-ID: <3C139F23.87E10C99@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nothing from EU now. I am turning the beams all East and then taking a nap until about 1830z .

I will be on for stateside until I leave for home some time between 2100-0000z.

About 207 QSOs in the log with 25-30 of them EU.

73, Jim, AL7FS

Date: Sun, 09 Dec 2001 11:43:52 -0600
From: "George, W5YR" <w5yr@att.net>

To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114377] Re: GB> Vintage QRP
Message-ID: <3C13A2D8.E55257AB@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not sure, but think that I have mentioned that before WW2 when the metal 6L6 came out, there were guys on 160 running a kw input to as many 6L6's as it took for the r-f amp and as many as it took for the modulator, all inverted in pans of transformer oil to dissipate the heat load. That must have been a sight!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Karl F. Larsen" wrote:

>
> Well you guys have me thinking. I ran 100 watts to a pair of 6L6
> tubes that were mounted upside-down in a pan of water. They were driven by
> a right side up 6L6 that was an oscillator-driver with a crystal.
>

Date: Sun, 9 Dec 2001 10:50:04 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [114378] Antttron Ant
Message-ID: <000501c180d9\$f0344320\$14de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone tried the Antttron 8010 a0 thru 10 meters antenna either on base pr
portable reply off line to save space Thanks 72 Cal KF7ET

Date: Sun, 9 Dec 2001 12:57:05 EST
From: K5BDZ@aol.com
To: k5di@zianet.com, qrp-l@lehigh.edu

Subject: [114379] 100 watt 6L6's and shunt loaded Pine
Message-ID: <122.8cd8546.2944fff1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/09/2001 11:02:31 AM Central Standard Time,
k5di@zianet.com writes:

> Well you guys have me thinking. I ran 100 watts to a pair of 6L6
> tubes that were mounted upside-down in a pan of water.
And April 1st just jumped ahead of Christmas.

Reminds me of the "80 foot Virgin Pine Vertical" I built high in the hills a
few years back. Base / shunt loaded the evergreen tree sap and trimmed off
bottom branches for lowering SWR. First station worked was DX.
Bill, K5BDZ

Date: Sun, 09 Dec 2001 18:15:15 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114380] AL7FS 18:15z
Message-ID: <3C13AA33.A9FDF32C@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

28.062 CQ
Just worked Maine 599

Date: Sun, 09 Dec 2001 18:37:17 +0000
From: Dan Robbins <k17y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [114381] AL7FS 1838z
Message-ID: <3C13AF5D.55DFABD8@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked Wy and FL on 10 but the noise and SSB or AM voice interference is
murder. FL was 579 but I couldn't copy at times due to QRM and QRN.
When the QRN stopped it was a 579. With the QRN...279. I am going to
move to 21.062+- for a while just to save my ears.

A joke on me. I forgot my wristwatch when I went up for my hour + nap and ended up getting confused and set the alarm for the wrong hour. 15 minutes later I woke up and didn't figure out I had goofed until I got downstairs. It DID seem like a short hour. :-)

Up to about 209 Qs and about 35 are EU and several Argentina and a Brazil.

Ok, got my diet coke and headed to 15 meters for a bit. 1838z

I am up for both QRP and QRPP so have at it.

73, Jim

Date: Sun, 9 Dec 2001 12:57:43 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [114382] AL7FS
Message-ID: <Pine.LNX.4.33.0112091255020.26791-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After having worked Jim with 5 watts, I dropped down to 10mw as measured on my WM-2....and after a few repeats we made it!...boy, this really low power stuff could be catching eh?!...21.062 at approx 1855z.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 09 Dec 2001 13:03:11 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [114383] TEN METERS
Message-ID: <000a01c180e4\$27941700\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello all in the group.

I have a question about 10 meters.

This morning i was one from 1800 to about 1900 uct and the band was wide open however i heard from 28.3 to 28.6 about 25 cb stations talking on the frequencies, is this a common thing now, have they taken over 10 or what??? Has anyone else heard this stuff or am i going crazy???

dennis w5vaf

Date: Sun, 09 Dec 2001 13:12:08 -0600
From: Tim Pettibone <k5oi@cowboy.net>
To: qrp-l@lehigh.edu
Subject: [114384] AL7FS still going
Message-ID: <5.1.0.14.0.20011209131124.009e8720@cowboy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jim is still going strong on about 21.062 at 1911z.

Tim K5OI
Stillwater, OK

Date: Sun, 9 Dec 2001 19:52:17 -0000
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [114385] AL7FS-Anchorage, AK GOT 'IM!!
Message-ID: <008101c180eb\$02354540\$89b41c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang, Jim is cranking into the midwest.... 1930z..

Got him with my homebrew 15 meter rig with a VX0, originally appeared in ARRL handbook in mid 70's I think. It puts out about 4 watts, according to my MFJ Versa Tuner.

My RCVR is my handy dandy Radio Shack DX-398 SWR with a 300+ foot giant loop, and the xmitter uses my 40 meter dipole tuned with capacitance hats for 15 meters.

Give him a holler!

Tom

Date: Sun, 09 Dec 2001 15:17:10 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [114386] Tube QRP
Message-ID: <3.0.6.32.20011209151710.007937f0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

About 10 years ago I built a 6AU6 / 2E26 transmitter, using the plate choke and tank parts salvaged from a DX-60 or some such thing with a bad power transformer. Put out about 15 watts on 40. Was a lot of fun to say "rig here is Drake 2B Rx and HB tube Xmitter". Made a lot of contacts with that set up one summer.

I'm thinking that building a 6AU6A / 6AQ5 combo would be fun and more QRPish. I even have a few 40M FT-243 xtals kicking around or could use this old ARC-5 VFO I picked up at a hamfest. An ARC-5 VFO? you might ask. Yes, someone took a bandsaw to an ARC-5 and removed everything but the VFO section in the back, then remounted the front plate and dial. For 5 bucks, couldn't resist buying it!

Now who's still got an original ARC-5 set up to put on the air?

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 9 Dec 2001 16:46:35 -0500
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-1@Lehigh.EDU, nogaqrp@qth.net
Subject: [114387] Optimized vertical....
Message-ID: <20011209.164638.-18653.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hey fellers!
Well, all this excitement about Alaska being on the air made me dust off

my old 15 m vertical. After deciding that since I'd never had any luck with it, and I still need to make my first qso with my MS-15, I needed to revamp and optimize the sucker. So I did. And now I have a really good vertical antler, if such a thing exists... My HPS (Highly Portable Station) is now fully functioning, more or less. I know I have power to the antler, and I have a less than 1.5:1 SWR. Now all I need is the qso!! So that's where my shameless plug for qsos comes into play....

My goal is to have one, if not more QSOes on 15m. I will be calling cq on or near 21.070, the qrp calling freq. I actually have qsl cards now, so I will send you a card if I complete a contact with you! Current time is 21:55 UTC, will be listenin' If you can hear me, I can hear you! Power out is a (Guestimated) 3 watts.

LIC,

G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."

Photographer, Philosopher, Preacher, Pirate, Poet.

"God didn't promise me the sun wouldn't smite me by day" James D. Vernon
DE KG4GVL Clear.

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Date: Sun, 09 Dec 2001 17:14:58 -0500

From: Pete Burbank <plburbank@kih.net>

To: w5yr@att.net,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [114388] Re: GB> Vintage QRP

Message-ID: <5.0.2.1.0.20011209164239.00abfec0@KIH.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:43 AM 12/9/2001 -0600, George, W5YR wrote:

>Not sure, but think that I have mentioned that before WW2 when the metal
>6L6 came out, there were guys on 160 running a kw input to as many 6L6's as
>it took for the r-f amp and as many as it took for the modulator, all
>inverted in pans of transformer oil to dissipate the heat load. That must
>have been a sight!

>

>72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262

>Amateur Radio W5YR, in the 56th year and it just keeps getting better!

>Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

George,
That msg tickled me....HI!
Those metal tubes were really HOT!!!!
My first rig was a 6AG7 running a few watts and later made a 6L6 output
rig. Later I learned about 6146s and how exciting it was to get your hand
any where near the plate cap.
I now enjoy solid state stuff with none of the evil jolts from the B+.
The only tube rig here is a venerable old Drake 2B.
73 to All
Pete NV4V

Date: Sun, 09 Dec 2001 16:47:36 -0600
From: "Scott Holisky" <sholisky@tpt.org>
To: qrp-l@lehigh.edu
Subject: [114389] FS: Kwd TS-570D
Message-ID: <fc.000f548a00a30746000f548a00a30746.a30755@tpt.org>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

As posted on eHam:

"Stock rig. No mods, no problems, no
smoke, manuals, box, mic, condition is a 10. Every couple of years it's
time to change dials:) Asking \$750 & shipping. Email or call. Tnx Scott"

You know I left off the 500 Hz cw filter, anyway it's there... also have
the software, cable and an ALC power reducer in a nice box for those who
like qrp.

As is all good ham dealings, there's room to "wobble". :)

Tnx - Scott N0AR Tel 651 653-5894

Date: Sun, 9 Dec 2001 14:55:32 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Cc: "Marshall ET Emm N1FN" <mgemm@mtechnologies.com>
Subject: [114390] Fox: N6WG Final Log
Message-ID: <MABBJOEABOILMKCJCLFCAEHDCOAA.n6wg@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No further corrections being received, this will stand as my finished log
for my first
Fox outing this season. Thanks to all for a howling good time. See you all
in the Hunt.

73, Bob N6WG
The Golden Fox

0202	K0EVZ	559	SD DOC	2W
0203	W6EU	599	CA JIM	5W
0204	WR50	559	TX DAVE	5W
0205	K7TQ	559	ID RANDY	5W
0206	W3CD	559	CA BOB	5W
0206	KR5C	559	TX GEORGE	5W
0207	K6VNX	599	CA ARLEN	5W
0208	K0FRP	579	CO AL	5W
0209	N0RC	559	CO ROD	5W
0209	WD7Z	559	NM DAVE	5W

0211	K5JHP	559	TX BILL	5W
0212	NQ7X	559	AZ FLOYD	5W
0213	NK6A	599	CA DON	5W
0214	KQ5U	559	TX TERRY	5W
0215	W5USJ	559	TX CHUCK	5W
0216	VE6EX	559	AB DAN	5W
0217	K5DI	559	NM KARL	5W
0218	VE6JAZ	579	AB ROB	5W
0220	AA7XA	559	OR FRANK	5W
0221	W5YR	559	TX GEORGE	5W

0222	K5ZTY	559	TX BILL	5W
0223	KB7WW	559	OR ART	5W
0224	W7ILW	559	AZ WALT	5W
0225	W4NJK	559	CA CHARLIE	5W
0226	VA6RF	559	AB EARL	5W
0228	K4TJD	559	GA TOM	5W
0229	AD6JV	559	CA BILL	5W
0230	NG7Z	559	WA PAUL	5W
0231	K4FB	559	FL PAUL	5W
0231	W0CH	559	MO DAVE	5W

0232	N5UW	559	OK CLIF	4W
0233	AF4PS	559	FL MAC	3W
0234	W5TB	559	TX DOC	5W
0235	N0DSP	559	CO TOM	5W

0236	K0PC	559	MN	PAT	5W
0237	N9IJ	579	IL	LEN	5W
0238	K7EL	559	OR	DAVE	5W
0239	N2WW	559	CO	LARRY	5W
0240	KE6RS	599	CA	RON	5W
0242	N1TP	559	FL	TOM	5W

0242	N1FN	559	CO	ET	5W
0243	AB0CD	559	CO	DICK	5W
0244	W0UFO	559	MN	MERT	5W
0245	N0AR	559	MN	SCOTT	5W
0246	KK5LD	559	TX	DAN	5W
0247	K3PH	559	PA	BOB	5W
0248	W0RSP	559	SD	ADE	4W
0251	KD5KXF	559	TX	MIKE	5W
0252	N0UR	579	MN	JIM	5W
0255	W8SFF	559	MI	STEVE	5W

0256	K9IS	559	WI	STEVE	5W
0257	AG0T	559	ND	TODD	4W
0300	N9NE	559	WI	TODD	1W
0301	NM5M	599	TX	ERIC	5W
0302	K4ADI	559	SC	FRANK	5W
0303	K9DC	559	IN	DAVE	5W
0304	WE9K	559	WI	GLENN	5W
0306	WV9N	559	OH	RANDY	5W
0307	AC5JH	559	OK	TOM	5W
0308	W8RU	559	MI	RON	5W

0309	W9XU	559	WI	LON	5W
0312	AA50	559	LA	VERN	5W
0315	VE3FAL	559	ON	FRED	5W
0317	VE5RC	559	SK	BRUCE	5W
0319	NQ7T	559	WA	GARY	5W
0320	KD7CTF	579	OR	LEE	5W
0321	VE4WI	559	MB	CRAIG	5W
0323	AF4LQ	559	KY	MIKE	5W
0324	KJ0C	559	MO	JIM	3W
0325	K3IU	559	RI	KEN	5W

0326	NU8S	559	OH	DENNIS	5W
0329	K5E0A	559	LA	WAYNE	5W
0330	KC1FB	559	CT	JIM	5W
0331	N0HRL	559	MN	KEN	5W
0332	W8VJW	559	MI	JOHN	5W
0334	K4BYF	559	FL	JACK	5W
0335	KC0ATC	559	CO	CHRIS	3W
0337	W3MT	579	PA	MIKE	5W

0339	KB9YIG	559	IN TONY	5W
0340	KV2X	559	NY TOM	5W
0341	NK9G	559	WI RICK	5W
0342	KI0II	559	CO RON	5W
0343	N9AW	559	WI JERRY	5W
0344	K8CV	559	MI WALT	5W
0345	WA8BXN	559	OH MIKE	5W
0347	WA9TZE	559	WI JIM	5W
0348	W9XT	569	WI GARY	5W
0349	AK7Y	559	AZ GREG	5W
0351	WA7SPY	559	CA GLENN	5W
0354	KC0GXX	559	NE TOM	2W
0357	K0KP/QRPp	559	MN REX	250mw
0400	N6WG		FOX	
0400	W8KC		FOX	

Date: Sun, 9 Dec 2001 17:50:59 -0500
 From: G Brandon Hoyt <preacher102677@juno.com>
 To: qrp-l@Lehigh.EDU, nogaqrp@qth.net
 Subject: [114391] Oh, well....
 Message-ID: <20011209.175102.-18653.1.preacher102677@juno.com>
 MIME-Version: 1.0
 Content-Type: text/plain
 Content-Transfer-Encoding: 7bit

Well, I tried. Seems like a lot of freqs were already in use, notably someone was near where I think 21070 is on my dial. Will have to try later....
 Until then!

LIC,
 G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
 Photographer, Philosopher, Preacher, Pirate, Poet.
 "God didn't promise me the sun wouldn't smite me by day" James D. Vernon
 DE KG4GVL Clear.

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Date: Sun, 09 Dec 2001 18:09:40 -0500
From: "Paul Gerhardt" <pgerhardt@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [114392] Estate Sale Items
Message-ID: <F246neqdGSyMp69YDqS00023a72@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Used Gear List from shack of KI4IH

Kenwood TS-520S
Icom 730 with audio and xtal cw filter
MFJ Memory Keyer
MFJ QRP Stack two radios battery pack and something else I will have to check
MFJ Tuner 200 watt with cross meters
MFJ Power Supply for 100 watt radio
Icom P/S PS=15
Alinco 2M Rig Old
Alinco 2M Rig New (not working low power output)
Ten Tech Power Meter vhf/uhf
Bencher Key black base
Sure Desk Mic on grip to talk stand
!0 Meter Delta Loop 3 el
Pac-Com TNC micro power?
PK-232 TNC
Most items have papers some have boxes

Let me know if you are interested in any of these items and I will give more info.

Paul Gerhardt
pgerhardt@hotmail.com

Paul Gerhardt
pgerhardt@hotmail.com

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 09 Dec 2001 17:08:07 -0600
From: Mike <mmorrow@companet.net>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [114393] Re: Tube QRP
Message-ID: <3C13EED7.5DEC@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

> Now who's still got an original ARC-5 set up to put on the air?

Quite a few have managed to put together a complete WWII USN ATA/ARA or AN/ARC-5 HF command set, or the USAAF equivalent...the SCR-274-N. I have a complete all-original NOS 3-receiver, 2-transmitter SCR-274-N with all plugs, dynamotors, racks, control boxes, tuning shafts, etc. (but not the very rare shock mounts) that I wouldn't dream of energizing. To do so would sooner or later result in the failure of components that can not be replaced.

It would be better to homebrew something, or to use sets that have already been irreversibly ruined by ham "redesign." Finding these historically valuable items that have not been ravaged by sophomoric ham modifications has been difficult for many years. (Yes, 35 years ago I too modified these units, but only ones that I had received in incomplete or non-original condition.)

The ARC-5 transmitters were definitely not QRP. I could get a Novice full-gallon (75 watts) easily from one.

73,
Mike / KK5F

Date: Sun, 09 Dec 2001 23:11:20 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114394] I need some assistance from Canadian hams.
Message-ID: <5.1.0.14.0.20011209230657.02de1dd8@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

Wayne K9DI es Sequoia here. I'm writing to ask Canadian hams for some help, Canadian Hams from Ontario to be specific. I have a couple of friends (twins) who have expressed interest in getting their ticket. I've given them the RAC URL, but I think a fellow Canadian would be in a better position to help them with finding licensing manuals, elmering es such. If you can help me help these boys out pse contact me offlist.

73
de
Wayne K9DI

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800

Date: Sun, 09 Dec 2001 17:26:49 -0600
From: Mike <mmorrow@companet.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114395] Re: GB> Vintage QRP
Message-ID: <3C13F339.54AC@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George, W5YR wrote:

> ... there were guys on 160 running a kw input to as many 6L6's as
> it took for the r-f amp and as many as it took for the modulator, all
> inverted in pans of transformer oil to dissipate the heat load.

Hi George,

The odd thing about the external oil or water cooling technique for metal or glass envelope tubes is that it doesn't really *significantly* reduce the temperature of the tube elements (plate, grids, cathodes) compared to what they would have been with air cooling only. Much of the heat transfer from the plate through the vacuum to the tube's metal or glass shell is radiative heat transfer, requiring large temperature differentials between plate and shell. Lowering shell temperature a little with oil cooling still results in high temperatures at the plate. I'd guess that the main thing accomplished was delaying failure of the tube seals.

73,
Mike / KK5F

Date: Sun, 9 Dec 2001 15:30:41 -0800
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [114396] Crystal Control Night (?)
Message-ID: <20011209.153041.576.21.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,

Was it on this list that someone was promoting a "Crystal Control Night" to coincide with Straight Key Night? PSE respond off list, TNX

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

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Date: Sun, 9 Dec 2001 16:49:22 -0700
From: "Jim FitzSimons" <cherry@getnet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114397] Re: TEN METERS
Message-ID: <003b01c1810c\$20d7f8a0\$e822893f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dennis, ten is my favorite band and you are correct, there are intruders on ten. They have not taken over. There is lots of unused space on ten. I wish more radio amateurs would use ten and maybe there would not be so many intruders.
Jim W7ANF

----- Original Message -----

From: "DENNIS SMITH" <ne4o@swbell.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, December 09, 2001 12:03 PM

Subject: TEN METERS

> Hello all in the group.

> I have a question about 10 meters.

> This morning i was one from 1800 to about 1900 uct and the band was wide

> open however i heard from 28.3 to 28.6 about 25 cb stations talking on the

> frequencies, is this a common thing now, have they taken over 10 or
what???

> Has anyone else heard this stuff or am i going crazy???

> dennis w5vaf

>

>

End of QRP-L Digest 2400

